

Title (en)

PROCESS AND DEVICE FOR THE ELECTROLYTIC METAL COATING OR ETCHING OF ARTICLES

Title (de)

VERFAHREN UND VORRICHTUNG ZUM ELEKTROLYTISCHEN METALLISIEREN ODER ÄTZEN VON BEHANDLUNGSGUT

Title (fr)

PROCEDE ET DISPOSITIF DE METALLISATION OU D'ATTAQUE ELECTROLYTIQUES D'ARTICLES A TRAITER

Publication

EP 0741804 B1 19981028 (DE)

Application

EP 95907549 A 19950130

Priority

- DE 9500134 W 19950130
- DE 4402596 A 19940128

Abstract (en)

[origin: DE4402596A1] The current density used in a process for the electrolytic treatment of articles is of crucial importance to the cost effectiveness of that process. Normally, only low or medium current densities are used, since the speed with which spent substances accumulate in the immediate vicinity of the surface of the treated article tends to limit the current density level with which a further useful result can be obtained. With a low current density, however, long periods of electrolysis and costly treatment systems are required. A possible way, according to the present invention, of improving the transport of substances at the surface of the treated article (5) involves the production of a strong electrolyte flow at the treatment site by means of rotating electrodes (9) which can move synchronously in relation to the surface of the treated article and can be electrically polarised in relation to the treated article. The working medium emerges from or is drawn into the electrodes through apertures (16).

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IPC 8 full level

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CPC (source: EP US)

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DOCDB simple family (publication)

US 6176995 B1 20010123; AT E172758 T1 19981115; DE 4402596 A1 19950810; DE 4402596 C2 19970327; DE 59504068 D1 19981203; EP 0741804 A1 19961113; EP 0741804 B1 19981028; ES 2124527 T3 19990201; JP 3403410 B2 20030506; JP H09508179 A 19970819; SG 52581 A1 19980928; WO 9520692 A1 19950803

DOCDB simple family (application)

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